



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Hilti, Inc.
5400 S. 122nd Avenue
Tulsa, OK 74146

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Hilti Kwik Con II Concrete Screw Anchor

APPROVAL DOCUMENT: Drawing No.1326-001-C, titled "Hilti Kwik Con II Fastening System", Sheet 1 of 1, dated 12/03/07, prepared by Hilti, Inc., signed and sealed by Thomas Allan Kolden, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance (NOA) number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 06-0512.03** and consists of this page 1, evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
1/14/07

NOA No: 07-0924.03
Expiration Date: August 3, 2012
Approval Date: February 7, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. 1326-001-C, titled "Hilti Kwik Con II Fastening System", Sheet 1 of 1, dated 12/03/07, prepared by Hilti, Inc., signed and sealed by Thomas Allan Kolden, P.E.

B. TESTS

1. Test report on Tension and Shear Capacity of anchors per ASTM E 488-96 and Corrosion Resistance per ASTM G 85, Annex 5 and TAS 114, Appendix E, Test Report No. 3286190, dated 08/16/07, signed and sealed by Thomas A. Kolden, P.E.

C. CALCULATIONS

1. None

D. MATERIAL CERTIFICATIONS

1. None

E. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO)

F. STATEMENTS

1. Code Compliance letter issued by Stork Twin City Testing Corporation, dated 12/14/07, signed and sealed by Thomas A. Kolden, P.E.
2. No financial interest letter issued by Stork Twin City Testing Corporation, dated 12/14/07, signed and sealed by Thomas A. Kolden, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 07-0924.03
Expiration Date: August 3, 2012
Approval Date: February 7, 2008

HILTI Kwik Con II

DESCRIPTION:

HILTI Kwik Con II screws are made of plain carbon steel galvanized to 8 μm (min.) or stainless steel as shown below, for use with the listed design values:

DESIGN LOADS:

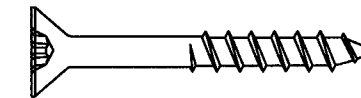
CARBON STEEL SCREWS

ANCHOR SIZE	EMBEDMENT DEPTH	CONCRETE Tension	3000 psi Shear	C90 CONCRETE Tension	BLOCK Shear	f_y (ksi)	f_u (ksi)
3/16"	1"	119	135	170	175	137	138
3/16"	1-3/4"	264	135	-	-	-	-
1/4"	1"	161	367	170	314	157	163
1/4"	1-3/4"	394	367	-	-	-	-

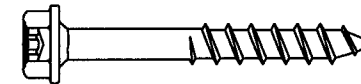
STAINLESS STEEL SCREWS

ANCHOR SIZE	EMBEDMENT DEPTH	CONCRETE Tension	3000 psi Shear	C90 CONCRETE Tension	BLOCK Shear	f_y (ksi)	f_u (ksi)
3/16"	1"	146	169	138	160	157	184
3/16"	1-3/4"	287	169	-	-	-	-
1/4"	1"	156	297	140	308	170	194
1/4"	1-3/4"	312	297	-	-	-	-

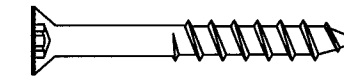
KWIK CON II - PHILLIPS FLAT HEAD



KWIK CON II - TORX HEX WASHER HEAD



KWIK CON II - TORX FLAT HEAD



GENERAL NOTES:

- 1) Design loads are based on ultimate loads divided by 4.
- 2) In order to achieve the design load, a minimum edge distance of 1-1/2" for 3/16" \varnothing screw, and 2-1/2" for 1/4" \varnothing screw shall be observed.
- 3) Minimum spacing of screw shall be 2" in concrete and 3" in concrete blocks in order to achieve the design loads.
- 4) Screw installation shall be made in accordance with Hilti's published installation instructions in the Product Technical Guide.
- 5) Available screw lengths are 1-1/4", 1-3/4", 2-1/4", 2-3/4", 3-1/4" and 4".

NOMINAL DIAMETER	SHANK DIAMETER (in.)	THREAD MAJOR (in.)	DIAMETER ROOT (in.)
3/16"	0.170	0.217	0.145
1/4"	0.224	0.283	0.190

12.10.2007

Thomas Allan Kolden
Professional Engineer
Florida License No. 50899

HILTI, INC.
5400 S 122nd E Ave
Tulsa, OK 74146

HILTI KWIK CON II
FASTENING
SYSTEM
FOR CONCRETE
AND MASONRY
ELEMENTS

REVISION DATE:
DATE: DEC 03 2007
DRAWING: 1326-001-C
SCALE: -
SHEET NO. 1 OF 1

FOR OFFICE USE

07-0924.03
8/3/2012